

ABSTRACT OF THE DISCLOSURE

In a welding wire storage device for a welding system including a housing ~~(42)~~ with a wire core ~~(43)~~ surrounding the welding wire ~~(13)~~ being arcuately arranged to lie freely in a free space ~~(45)~~ of the housing ~~(42)~~, one end of the wire core ~~(43)~~ is fixed in an end region of the housing ~~(42)~~ and a measuring means ~~(44)~~ is provided to detect the deflection of the wire core ~~(43)~~. In order to provide a very simple and compact structure for such a welding wire storage device, the wire core ~~(43)~~ is displaceably mounted in a guide element ~~(46)~~ on the opposite end region, and two coupling mechanisms ~~(48, 49)~~ for connection with a wire guide hose ~~(50)~~ for the wire core ~~(23)~~ are arranged on the housing ~~(42)~~.